

**ACON - VA/NC/SC**

The Atlantic Coast Observer Network: Virginia, North Carolina, South Carolina

**STATION SUMMARY OF CLIMATOLOGICAL DATA - July 2022**

OBSERVER: GLENN MARTIN ACON STATION ID: MECHANICSVILLE VA  
 (COLUMN 5) OBSERVATION TIMES: TEMPS RECORDED AT 1700L PRECIP RECORDED AT 1700L

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	92.90	T - TOTAL PRECIPITATION	2.62
B - AVERAGE MINIMUM TEMPERATURE	71.42	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	82.35	U - MAXIMUM CALENDAR DAY PRECIPITATION	.72
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	26 <sup>th</sup>
D - MAXIMUM TEMPERATURE	102	V - MAXIMUM 24-HOUR PRECIPITATION	.97
E - DATE(S) OF MAXIMUM TEMPERATURE	28 <sup>th</sup> , 29 <sup>th</sup>	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	28 <sup>th</sup> , 29 <sup>th</sup>
F - MINIMUM TEMPERATURE	61	W - # DAYS PRECIPITATION ≥ .01"	11
G - DATE(*9S) OF MINIMUM TEMPERATURE	11 <sup>th</sup>	X - # DAYS PRECIPITATION ≥ 1.00"	0
H - # DAYS MAXIMUM TEMPERATURE ≥ 90°	24	Y - YEARLY PRECIPITATION	20.74
I - # DAYS MAXIMUM TEMPERATURE ≤ 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	0
J - # DAYS MINIMUM TEMPERATURE ≤ 32°	0	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	0
K - # DAYS MINIMUM TEMPERATURE ≤ 0°	0	2 - # DAYS WITH SNOWFALL (≥ TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	53.77%	3 - # DAYS WITH SNOWFALL ≥ 1.00"	0
L - MAXIMUM WIND GUST (MPH)	14 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2021-2022	0
N - DATE(S) OF MAXIMUM WIND GUST	20 <sup>th</sup> , 22 <sup>nd</sup>	6 - MAXIMUM BAROMETRIC PRESSURE	30.05
N1 - AVERAGE WIND SPEED (MPH)	5.48 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	30 <sup>th</sup>
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.62
O - # DAYS - THUNDERSTORM	6	7A - DATE MINIMUM BAROMETRIC PRESSURE	20 <sup>th</sup>
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	28.91
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	<b>AKQ</b>
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG (≤ 1/4 MILE)	0		



# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mechanicville, VA  
 OBSERVATION TIME 1700h MONTH/YEAR July/2022

date	MAX TEMP.	MIN TEMP.	AVG TEMP.	TOTAL PRECIP.	SNOW FALL	SNOW DEPTH	T-ST	HA	TOR	HUR	SN	SLT	FOG	SW	SL	FL	WD	HDP	DRIZ	RAIN	TROPST	
1	97	71	84	0																		
2	96	72	84	0																		
3	97	73	85	0																		
4	95	67	80	0																		
5	94	65	79	0																		
6	97	70	83	0																		
7	92	70	81	0.02																		
8	92	71	81	0																		
9	91	73	82	0																		
10	93	72	82	0.09																		
11	89	67	78	0.31																		
12	98	74	86	0																		
13	96	73	84	0																		
14	99	70	84	0																		
15	97	71	84	0																		
16	94	71	82	0																		
17	94	72	83	0																		
18	97	74	85	0																		
19	93	73	83	0.07																		
20	100	73	86	0																		
21	98	73	85	0																		
22	98	73	85	0.16																		
23	102	71	87	0																		
24	102	72	87	0																		
25	99	76	87	0																		
26	86	73	80	0.23																		
27	90	77	83	0.72																		
28	92	74	83	0.25																		
29	93	73	83	0																		
30	90	74	82	0																		
31	92	67	79	0.05																		

HIGHEST TEMP AND DATE 102 23rd/24th AVG. MO. HIGH 92.90  
 LOWEST TEMP AND DATE 61 11th AVG. MO. LOW 71.40  
 MONTHLY MEAN TEMP 82.25 GREATEST 24 HR PRECIP./DATE 2.1/26th MO. TOTAL PRECIP. 2.62  
 NUMBER OF T-ST DAYS 6 GREATEST 24 HR SNOWFALL/DATE 0 MO. TOTAL SNOWFALL 0  
 t-st = thunderstorm sit = sleet hdp = heavy down pour hur = hurricane sn = snow sl = sharp lightning  
 ha = hail tor = tornado sw = strong winds fl = flooding wd = wind damage driz = drizzle  
 tropst = tropical storm

Part a

# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA  
 OBSERVATION TIME 1700h MONTH/YEAR July/2022

Additional Observations Sheet

date	observations	date	observations
1		17	
2		18	
3		19	Shower overnight.
4		20	
5		21	T-STORM AT 1510 hr.
6	BRIEF SHOWERS during the mid afternoon	22	
7		23	
8		24	
9	RAIN AND DRIZZLE	25	T-STORM AT 1740 hr.
10	RAIN AND DRIZZLE	26	T-STORM AT 1421 hr. + AT 1630 hr. + 1700 hr.
11		27	SHOWER IN THE MORNING 0600 hr.
12		28	
13	T-STORM IN AREA. TRACE OF RAIN	29	T-STORM AT 1435 hr. STRONG WINDS.
14		30	
15		31	RAIN during the afternoon
16	T-STORM AT 1700 hr. Heavy down pour and sharp lightning		

Part b